

ASSIGNMENT

For valuable consideration, I, Todd H. Rider, of Acton, Massachusetts hereby assign to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02142, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled OPTOELECTRONIC SENSOR, filed December 9, 1997, and assigned U.S. Serial Number 08/987,410, and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lexington, Massachusetts,
this 28 day of April, 1998
Todd H. Rider L.S.
Todd H. Rider

STATE OF Massachusetts
COUNTY OF Middlesex: ss.

Before me this 28th day of April, 1998, personally appeared
Todd H. Rider known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Susan M. Albert
Notary Public

My Commission Expires: 1/22/04

[Notary's Seal Here]



01997/227001
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 13, 1998

PTAS

FISH & RICHARDSON P.C.
ERIC L. PRAHL
225 FRANKLIN STREET
BOSTON, MA 02110-2804



JUL 22 1998

FISH & RICHARDSON P.C.
BOSTON, MA

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/01/1998

REEL/FRAME: 9161/0900
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RIDER, TODD H.

DOC DATE: 04/28/1998

ASSIGNEE:

MASSACHUSETTS INSTITUTE OF
TECHNOLOGY
77 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS 02142

SERIAL NUMBER: 08987410
PATENT NUMBER:

FILING DATE: 12/09/1997
ISSUE DATE:

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

MTW

05-18-1998



Assistant Commissioner for Pa

100713378

ER SHEET

Y

al document.

Attorney Docket No.: 01997/227001

1. Name of conveying party(ies):

Todd H. Rider

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 02142Additional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒
- Assignment
-
- ☐
- Merger
-
- ☐
- Security Agreement
-
- ☐
- Change of Name
-
- ☐
- Other:

Execution Date: April 28, 1998

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):
08/987,410

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

Eric L. Prah
Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

- ☒
- Enclosed
-
- ☐
- Authorized to charge deposit account

8. Deposit account number: 06-1050

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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9. Statement and signature:
- To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

Eric L. Prah

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 2

05/15/1998 SSMITH 00000269 08987410

01 FC:581

40.00 OP

Date of Deposit

May 1, 1998

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Vasilica Kelly
Vasilica Kelly

ASSIGNMENT

For valuable consideration, we, Todd H. Rider, of Acton, Massachusetts; and Laura Smith of Carlisle, Massachusetts hereby assign to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02142, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled OPTOELECTRONIC SENSOR, filed October 9, 1998, and assigned U.S. Serial Number 09/169,196, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lexington, MA,
this 7th day of January, 1998

Todd H. Rider L.S.
Todd H. Rider

STATE OF Massachusetts :ss.
COUNTY OF Middlesex

Before me this 7th day of January, 1998, personally appeared Todd H. Rider known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Susan M. Abert
Notary Public

My Commission Expires: 1/22/04

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Lexington MA,
this 7th day of January, 1998
[Signature] L.S.
Laura Smith

STATE OF Massachusetts:
COUNTY OF Middlesex: :ss.

Before me this 7th day of January, 1998⁹, personally appeared

Laura Smith known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]
Notary Public

My Commission Expires: 1/22/04

[Notary's Seal Here]

339089.B11



01997/227802

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

APRIL 14, 1999

PTAS

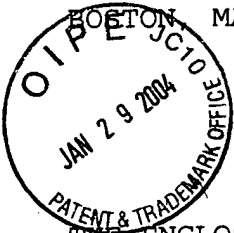
FISH & RICHARDSON P.C.
JOHN F. FISH
225 FRANKLIN STREET
BOSTON, MASSACHUSETTS 02110-2804



100945592A

APR 23 1999

FISH & RICHARDSON P.C.
BOSTON, MA



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RECORDATION DATE: 01/12/1999

REEL/FRAME: 9690/0728
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
RIDER, TODD H.

DOC DATE: 01/07/1999

ASSIGNOR:
SMITH, LAURA

DOC DATE: 01/07/1999

ASSIGNEE:
MASSACHUSETTS INSTITUTE OF
TECHNOLOGY
77 MASSACHUSETTS AVENUE
CAMBRIDGE, MASSACHUSETTS 02142

SERIAL NUMBER: 09169196
PATENT NUMBER:

FILING DATE: 10/09/1998
ISSUE DATE:

• No Docketing Required •
Reviewed By Practice Systems
Initials: <u>PTM</u>
Reviewed By Billing Secretary
Initials: _____

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
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01-14-1999

Docket No.: 01997/227002

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100945592

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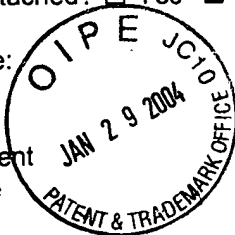
1. Name of conveying party(ies): **Todd H. Rider and Laura Smith**

Additional name(s) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):
Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, Massachusetts 02142

Additional names/addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:
☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:



1-12-99

Execution Date: January 7, 1999, January 7, 1999

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):
09/169,196

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name/address of party to whom correspondence concerning document should be mailed:

John T. Li, Reg. No. P-44,210
Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved: **1**

7. Total fee (37 CFR 3.41): **\$40**

☒ Enclosed

☐ Authorized to charge deposit account

8. Deposit account number: **06-1050**

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.*

John T. Li, Reg. No. P-44,210

Name of Person Signing

Signature

John T. Li

Date

1-8-99

Total number of pages including cover sheet, attachments, and document: **3**

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01/13/1999 TTON11 00000076 09169196

01 FC:581

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Date of Deposit **January 8, 1999**

I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Jason Kurian

John Li